



MR BEER[®]



Barleys Brew: Chocolate Orange Stout

RECIPE INCLUDES:

- 1 Can St. Patricks Irish Stout Brewing Extract
- 1 Packet Dry Brewing Yeast (under lid of Brewing Extract)
- 1 BrewMax DME Softpack - Pale
- 1 Packet No-Rinse Cleanser

YOU PROVIDE:

- 3 Medium Sized Oranges
- 1 box (4 oz.) of Bakers Unsweetened Chocolate Squares OR ¼ cup of unsweetened cocoa powder (The chocolate squares contain natural oils, so they will give your beer more mouthfeel but a lower head retention. The cocoa powder will offer a better head retention, but less mouthfeel.)
- 1/2 Cup Vodka

STEP 1: SANITIZING

1. Fill clean keg with warm water to the line mark 1 on the back, then add ½ pack (about 1 tablespoon) of No-Rinse Cleanser and stir until dissolved. Once dissolved, the solution is ready to use.
2. Screw on lid and swirl the keg so that the cleaning solution contacts the entire interior of the keg, including the underside of the lid. Allow to sit for at least 2 minutes, and then swirl again.
3. Remove lid and place underneath the spigot, open the spigot and fill the lid. Close the spigot and dispense the cleaning solution from the lid.
4. Dispense all the sanitizing solution into a large bowl. Place your spoon, can opener, and measuring cup into the bowl to sanitize and keep them cleaned throughout the brewing process for at least 2 minutes in cleaning solution before using utensils.
5. After all surfaces have been thoroughly cleaned, do not rinse or dry the fermenter or utensils. Proceed immediately to the brewing process.

NOTE: BE SURE TO SANITIZE EVERYTHING THAT WILL COME INTO CONTACT WITH YOUR BEER.

STEP 2: BREWING

1. Brewing beer is the process of combining a starch source (in this case, a malt brewing extract) with yeast. Once combined, the yeast eats the sugars in the malt, producing alcohol and carbon dioxide (CO₂). This process is called fermentation.
2. Remove the yeast packet from under the lid of the can of brewing extract and place the unopened can in hot tap water.
3. Using a sanitized measuring cup, pour 6 cups of water into your clean 3-quart or larger pot. Bring the water to a boil, then remove from heat.
4. Open the can of St. Patrick's Irish Stout brewing extract and the BrewMax DME packet, and pour both of their contents into the hot water. Then add the box of Bakers Unsweetened Chocolate OR your cocoa powder to your pot. Stir until thoroughly mixed. It could take 4-5 minutes to completely dissolve the





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chocolate squares, but you want to keep stirring until everything is completely dissolved. This mixture is called wort.

5. Fill keg with cold tap water to the #1 mark on the back.
6. Pour the wort into the keg, and then bring the volume of the keg to the #2 mark by adding more cold water. Stir vigorously with the spoon or whisk.
7. Sprinkle the supplied yeast into keg, then screw on lid. Do not stir.
8. Put your keg in a location with a consistent temperature between 65° and 75° F (18.3°-23.8° C) and out of direct sunlight.
9. After you have placed your keg in a cool dry place, you need to prepare your orange. You want to peel all 3 oranges, making sure not to peel too deep. You don't want any of the white "pith" that is underneath the skin, as this can leave an unwanted bitter flavor in your beer. Peel just deep enough to remove the orange skin.
10. Next, place the orange peels into a sanitized jar (or another air tight container) and fill with a ½ cup of vodka. If you are using a different sized container, you want to add enough vodka to cover and sanitize your orange peels. Set jar aside with fermenter.
11. After approximately 24 hours, you will be able to see the fermentation process happening by shining a flashlight into your keg. You'll see the yeast in action in the wort. The liquid will be opaque and milky, you will see bubbles rising in the liquid, and there will be bubbles on the surface.
12. After 1 week of fermentation, very carefully add the contents of the air tight container to your keg, including the vodka. Pour slowly as to not disturb your fermenting wort too much.
13. Do not stir. Put your fermenter lid back on. You'll ferment for 21 days total. Your fermentation will usually reach its peak in 2 to 5 days (this is also known as "high krausen"). You may see a layer of foam on top of the wort, and sediment will accumulate at the bottom of the fermenter. This is totally normal. Complete fermentation will take approximately 2 weeks. After high krausen the foam and activity will subside and your batch will appear to be dormant. Your beer is still fermenting. The yeast is still at work slowly finishing the fermentation process.

STEP 3: BOTTLING AND CARBONATING

1. When your beer is ready to bottle, fill a 1-gallon container with warm water, then add the remaining ½ pack of the No-Rinse Cleanser and stir until dissolved. Once dissolved, it is ready to use.
2. Distribute the cleaning solution equally among the bottles. Screw on caps and shake bottles vigorously. Allow to sit 10 minutes, then shake the bottles again. Remove caps and empty all cleaning solution into a large bowl. Use this solution to clean any other equipment you may be using for bottling. Do not rinse.
3. Add 2 carbonation drops to each 740-mL bottle. For 1-liter bottles, add 2 ½ drops; for ½-liter bottles add 1 drop. Alternatively, you can use table sugar. For other bottle sizes and table sugar conversion chart see: <http://www.mrbeer.com/help>.
4. Holding the bottle at an angle, fill each bottle to about 2 inches from the bottle's top.
5. Place caps on bottles, hand tighten, and gently turn the bottle over to check the bottle's seal. It is not necessary to shake them.

Fermentation	Carbonation	Bottle Conditioning	Total Brewing Time
3 Weeks	3 Weeks	2 - 4 Weeks	= 2 - 3 Months

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